

Quality Assurance and Testing

Manufacturing Technologies

The Manufacturing Science & Technology Center provides customers with manufacturing quality requirements, testing standards and specifications for new product designs, including the implementation of these requirements into final product acceptance complete with documentation. Technical support and procedures are furnished for Interagency Product Acceptance stamp and DOE QC1 diamond stamp.



Certified Inspector

Capabilities

- Will inspect printed circuit (PC) boards, wire wrap boards, boxes, chassis, cables, racks, systems, etc.
- Work from sketches or formal drawings
- Review drawings and requirements
- Visual inspections for layout, markings, solder joints, components, mechanical assembly, general workmanship, safety
- Point-to-point continuity checks
- Will tailor inspection processes to meet customer needs
- Support the IP Process for the weapons group



*Automated cable tester (left);
STAR/ODES rocket launch (top)*

Resources

- Certified technicians per SNL spec 9913013, IPC-610 and Industry Standards
- Measure conductor resistance
- Measure conductor isolation leakage current with applied voltage up to 500 VDC
- Identify conductor size of internal wires
- Scan unknown cable and print out point-to-point paths
- Provide formal inspection reports

Accomplishments

- Ground based interceptor/integrated flights test
- Quality Assurance Representative (QAR)
- Supported the Kodiak Launch Team
- Support of bonded stores and IP process
- U.L. like acceptance process

Contact

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